Evaluating Rational Expressions Worksheet Answers

Evaluate each equation with the given values.

1. $-3x + 4$ where $x = -5$

$= -3(-5) + 4$
$= 15 + 4$
$= 19$

2. $2xy + y$ where $x = 6, y = -2$

$= 2(6)(-2) + (-2)$
$= -24 - 2$
$= -26$

3. $\dfrac{x^2 - 4}{3x}$ where $x = 5$

$= \dfrac{(5)^2 - 4}{3(5)}$
$= \dfrac{25 - 4}{15}$
$= \dfrac{21}{15} = \dfrac{7}{5}$

4. $\dfrac{2ab}{c}$ where $a = -1, b = -4, c = 2$

$= \dfrac{2(-1)(-4)}{2}$
$= \dfrac{8}{2}$
$= 4$